

1. PRODUCT NAME, NUMBER, SYNONYM: SCOTCHWELD Brand Structural Adhesive EC-2216 B/A
2. MANUFACTURER'S NAME: 3M Company
3. MANUFACTURER'S ADDRESS: 3M Center - St. Paul, Minnesota 55101
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Wipe up and discard.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Store at 60-80°F. ICC Shipping Classification - cement, NOIBN, other than liquid.
6. FIRST AID TREATMENT:
- A. SKIN CONTACT: Wash with mild soap and water.
- B. EYE CONTACT: Flush immediately with water. Seek medical advice.
- C. INHALATION: Provide fresh air.
- D. ANTIDOTE IN CASE OF SWALLOWING: \_\_\_\_\_
7. PHYSIOLOGICAL PROPERTIES:
- A. ACUTE ORAL TOXICITY: Unknown, expected to be low
- B. LOCAL EFFECTS UPON EYES: May cause irritation on direct contact.
- C. LOCAL EFFECTS UPON SKIN: May cause dermatitis on prolonged or repeated contact.
- D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): generally moderate
- E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): \_\_\_\_\_
- F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): N.A.
8. CHEMICAL AND PHYSICAL PROPERTIES:
- A. SPECIFIC GRAVITY (WATER = 1) app. 1.3
- B. VAPOR DENSITY (AIR = 1) \_\_\_\_\_
- C. VAPOR PRESSURE mm Hg AT 25°C. \_\_\_\_\_
- D. pH \_\_\_\_\_
- E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS: none expected

F. DOES THE MATERIAL DECOMP WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? \_\_\_\_\_

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Part B - epoxy resin	
inorganic reinforcing agents	
Part A - modified amine hardener	
reinforcing agent	

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? \_\_\_\_\_  
yes

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Prevent prolonged or repeated skin  
contact. Use only in well ventilated areas. Prevent eye contact.  
Fumes for unventilated area should be avoided.

10. RECOMMENDED PROTECTIVE EQUIPMENT: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

11. A. FLASHPOINT °F; CLOSED CUP N.A.; OPEN CUP \_\_\_\_\_; IF F.P. CHANGES DURING EVAPORATION GIVE DATA: \_\_\_\_\_  
\_\_\_\_\_

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER \_\_\_\_\_; UPPER \_\_\_\_\_

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES \_\_\_\_\_; NO \_\_\_\_\_

D. FIRE POINT °F \_\_\_\_\_; AUTO IGNITION TEMPERATURE °F \_\_\_\_\_

E. VAPOR DENSITY \_\_\_\_\_

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? \_\_\_\_\_  
oxides of C, H, N

G. SUITABLE EXTINGUISHING AGENTS: CO<sub>2</sub>, foam, dry chemical

12. INFORMATION FURNISHED BY: Herman A. Birnbaum

TITLE: Product Toxicologist

COMPANY: 3M Company

ADDRESS: 3M Center - St. Paul, Minnesota 55101

DATE: 9/22/70

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.

RECEIVED  
MATERIAL



1970 SEP 25  
GENERAL OFFICES 3M CENTER • ST. PAUL, MINNESOTA 55101 • TEL. 733-1110

DACC  
Medical Department  
MEDICINE • HEALTH PHYSICS • INDUSTRIAL HYGIENE • TOXICOLOGY

September 22, 1970

E. B. Johnson, Buying Supervisor  
Douglas Aircraft Company  
3855 Lakewood Blvd.  
Long Beach, California 90801

Dear Mr. Johnson:

Your request for information concerning 3M Brand Adhesive EC-870 and SCOTCHWELD Brand Structural Adhesive EC-2216 B/A has been referred to this office for handling. We are pleased to provide the attached Hazardous Materials Data Sheet for your confidential use in protecting the health and safety of your personnel and equipment.

If there is anything further that I can do, please let me know.

Sincerely yours,

H. A. Birnbaum,  
Product Toxicologist

HAB:cms  
attachment